



## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
 Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**Issuing Date** 07-Feb-2020

**Revision Date:** 11-Feb-2020

**Revision Number:** 1

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>Product Name</b>	<b>ROSCO OFF BROADWAY BURNT UMBER</b>
<b>Product Code</b>	<b>RF5354</b>
<b>Alternate Product Code</b>	XY5106
<b>Product Class</b>	Water thinned paint
<b>Color</b>	Red brown
<b>Recommended use</b>	Paint
<b>Restrictions on use</b>	No information available

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### Section 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

<b>Specific target organ toxicity (repeated exposure)</b>	Category 2 - (H373)
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#### 2.2. Label elements

**Product Identifier**

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Contains Cristobalite

**Signal word**

Warning

**Hazard statements**

H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements - EU (§28, 1272/2008)**

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P314 - Get medical advice/attention if you feel unwell

P501 - Dispose of contents/container to industrial incineration plant

**2.3. Other hazards****General Hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	EINECS/ELINCS No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Cristobalite	238-455-4	14464-46-1	>=5 - <10	STOT RE 1 (H372)	Not available
Iron oxide	215-168-2	1309-37-1	>=5 - <10	Not available	Not available
Diatomaceous silica, flux-calcined	272-489-0	68855-54-9	>=1 - <5	STOT RE 2 (H373)	Not available
Raw Umber Pigment	235-784-5	12713-03-0	>=1 - <5	Not available	Not available
Propylene glycol	200-338-0	57-55-6	>=1 - <5	Not available	01-2119456809-23-02 24
Talc	238-877-9	14807-96-6	>=1 - <5	Not available	Not available
Aluminum oxide	215-691-6	1344-28-1	>=0.3 - <0.5	Not available	Not available
Silica, crystalline	238-878-4	14808-60-7	>=0.3 - <0.5	STOT RE 1 (H372)	Not available
Titanium dioxide	236-675-5	13463-67-7	>=0.1 - <0.3	Not available	01-2119489379-17-01 68
Distillates, petroleum, solvent-refined heavy paraffinic	265-090-8	64741-88-4	>=0.1 - <0.3	Repr. 2 (H361) STOT RE 1 (H372) Asp. Tox 1 (H304)	Not available
Carbon black	215-609-9	1333-86-4	>=0.1 - <0.3	Not available	Not available

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Description of first aid measures

<b>General Advice</b>	No hazards which require special first aid measures.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Most Important Symptoms/Effects</b>	None known.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes To Physician</b>	Treat symptomatically.
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## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available.

### 5.2. Special hazards arising from the substance or mixture

<b>Specific Hazards Arising From The Chemical</b>	Closed containers may rupture if exposed to fire or extreme heat.
<b>Sensitivity to static discharge</b>	No
<b>Sensitivity to mechanical impact</b>	No

### 5.3. Advice for firefighters

<b>Protective equipment and precautions for firefighters</b>	Wear self-contained breathing apparatus and protective suit.
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## Section 6: ACCIDENTAL RELEASE MEASURES

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**6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
<b>Other Information</b>	Observe all relevant local and international regulations.

**6.2. Environmental precautions**

<b>Environmental precautions</b>	Prevent spreading of vapors through sewers, ventilation systems and confined areas.
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**6.3. Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Absorb with inert material and place in suitable container for disposal.
<b>Methods for Cleaning Up</b>	Clean contaminated surface thoroughly.

**6.4. Reference to other sections**

<b>Other information</b>	See Section 12 for additional information.
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**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hygiene Measures</b>	Wash thoroughly after handling.

**7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage</b>	Keep container tightly closed. Keep out of the reach of children.
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**7.3. Specific end use(s)**

<b>Specific Uses</b>	Architectural coating. Apply as directed. Refer to product label / literature for specific instructions.
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<b>Risk Management Methods (RMM)</b>	Not Applicable.
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**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Chemical name	European Union	Belgium	Bulgaria	Cyprus	France	Ireland
Cristobalite 14464-46-1	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.07 mg/m <sup>3</sup>	-	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup>
Iron oxide 1309-37-1	-	TWA: 5 mg/m <sup>3</sup>	TWA: 5.0 mg/m <sup>3</sup>	-	TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>

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Diatomaceous silica, flux-calcined 68855-54-9	-	-	-	-	-	STEL: 30 mg/m <sup>3</sup> TWA: 1.2 mg/m <sup>3</sup> STEL: 3.6 mg/m <sup>3</sup>	
Raw Umber Pigment 12713-03-0	-	-	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	-	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup> STEL: 0.6 mg/m <sup>3</sup> STEL: 0.15 mg/m <sup>3</sup>	
Propylene glycol 57-55-6	-	-	-	-	-	TWA: 10 mg/m <sup>3</sup> TWA: 150 ppm TWA: 470 mg/m <sup>3</sup> STEL: 1410 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 450 ppm	
Talc 14807-96-6	-	TWA: 2 mg/m <sup>3</sup>	TWA: 1.0 fiber/cm <sup>3</sup> TWA: 6.0 mg/m <sup>3</sup> TWA: 3.0 mg/m <sup>3</sup>	-	-	TWA: 10 mg/m <sup>3</sup> TWA: 0.8 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 2.4 mg/m <sup>3</sup>	
<b>Chemical name</b>	<b>Germany</b>	<b>Greece</b>	<b>Hungary</b>	<b>Iceland</b>	<b>Italy</b>	<b>Latvia</b>	
Cristobalite 14464-46-1	-	-	TWA: 0.15 mg/m <sup>3</sup>	0.15 mg/m <sup>3</sup> TWA 0.05 mg/m <sup>3</sup> TWA	-	-	
Iron oxide 1309-37-1	-	TWA: 10 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup> TWA	-	-	
Diatomaceous silica, flux-calcined 68855-54-9	TWA: 0.3 mg/m <sup>3</sup>	-	-	1.5 mg/m <sup>3</sup> TWA	-	-	
Raw Umber Pigment 12713-03-0	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.02 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	-	-	-	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	
Propylene glycol 57-55-6	-	-	-	-	-	TWA: 7 mg/m <sup>3</sup>	
Talc 14807-96-6	-	TWA: 10 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	-	-	-	
<b>Chemical name</b>	<b>Lithuania</b>	<b>Netherlands</b>	<b>Poland</b>	<b>Romania</b>	<b>Spain</b>	<b>Sweden</b>	<b>United Kingdom</b>
Cristobalite 14464-46-1	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.075 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TLV: 0.05 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>
Iron oxide 1309-37-1	TWA: 3.5 mg/m <sup>3</sup>	-	STEL: 10 mg/m <sup>3</sup> STEL: 5 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TLV: 3.5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>
Diatomaceous silica, flux-calcined 68855-54-9	-	-	TWA: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	-	-	-	-
Raw Umber Pigment 12713-03-0	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	-	TWA: 0.2 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>
Propylene glycol 57-55-6	TWA: 7 mg/m <sup>3</sup>	-	TWA: 100 mg/m <sup>3</sup>	-	-	-	TWA: 150 ppm TWA: 474 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> STEL: 450 ppm STEL: 1422 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>
Talc 14807-96-6	TWA: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 0.25 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TLV: 2 mg/m <sup>3</sup> TLV: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>

**8.2. Exposure controls****Occupational exposure controls****Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

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<b>Respiratory Protection</b>	In case of insufficient ventilation wear suitable respiratory equipment.
<b>Eye Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	Lightweight protective clothing.
<b>Hand protection</b>	Impervious gloves.
<b>Hygiene Measures</b>	Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	liquid
<b>Odor</b>	little or no odor
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
Density (g/L)	1162 - 1210	None known
Relative Density	1.16 - 1.21	
pH	No information available	None known
Viscosity (cps)	No information available	None known
Solubility(ies)	No information available	None known
Water solubility	No information available	None known
Evaporation Rate	No information available	None known
Vapor pressure	No information available	None known
Vapor density	No information available	None known
Wt. % Solids	35 - 45	None known
Vol. % Solids	20 - 30	None known
Wt. % Volatiles	55 - 65	None known
Vol. % Volatiles	70 - 80	None known
Boiling Point (°C)	100	None known
Freezing Point (°C)	0	None known
Melting Point (°C)	No information available	None known
Pour Point	No information available	None known
Flash Point (°C)	Not applicable	None known
Flammability (solid, gas)	No information available	None known
Upper flammability limit:	No information available	None known
Lower flammability limit:	No information available	None known
Autoignition Temperature (°C)	No information available	None known
Decomposition Temperature (°C)	No information available	None known
Partition coefficient	No information available	None known
Explosive properties	No information available	None known
Oxidizing Properties	No information available	None known

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

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**Reactivity** Not Applicable.

**10.2. Chemical stability**

**Chemical Stability** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal conditions of use.

**10.4. Conditions to avoid**

**Conditions to avoid** Prevent from freezing.

**10.5. Incompatible materials**

**Incompatible Materials** No materials to be especially mentioned.

**10.6. Hazardous decomposition products**

**Hazardous Decomposition Products** None under normal conditions of use.

## Section 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects****Product Information**

<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	There is no data available for this product.
<b>Ingestion</b>	There is no data available for this product.

**Acute Toxicity****Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Iron oxide 1309-37-1	> 10000 mg/kg ( Rat )		
Propylene glycol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	
Aluminum oxide 1344-28-1	> 5000 mg/kg ( Rat )		
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )		
Distillates, petroleum, solvent-refined heavy paraffinic 64741-88-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5530 mg/m <sup>3</sup> ( Rat ) 4 h
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	

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<b>Skin corrosion/irritation</b>	No information available.
<b>Eye damage/irritation</b>	No information available.
<b>Sensitization</b>	No sensitizing effects known.
<b>Mutagenic Effects</b>	No information available.

**Carcinogenic effects**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union	IARC
Cristobalite 14464-46-1		1 - Human Carcinogen
Silica, crystalline 14808-60-7		1 - Human Carcinogen
Titanium dioxide 13463-67-7		2B - Possible Human Carcinogen
Carbon black 1333-86-4		2B - Possible Human Carcinogen

- Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.
- Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

**Legend**

IARC - International Agency for Research on Cancer

<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure if inhaled.
<b>Neurological Effects</b>	No information available.
<b>Target organ effects</b>	No information available.
<b>Symptoms</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

The environmental impact of this product has not been fully investigated

Chemical name	Algae/aquatic plants	Fish	Crustacea
Iron oxide 1309-37-1		LC50: =100000mg/L (96h, Danio rerio)	



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Propylene glycol 57-55-6	EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)	LC50 41 - 47 mL/L Oncorhynchus mykiss (96 h) LC50 = 710 mg/L Pimephales promelas (96 h) LC50 = 51600 mg/L Oncorhynchus mykiss (96 h) LC50 = 51400 mg/L Pimephales promelas (96 h)	EC50 > 1000 mg/L (48 h) EC50 > 10000 mg/L (24 h)
Talc 14807-96-6		LC50: >100g/L (96h, Brachydanio rerio)	
Distillates, petroleum, solvent-refined heavy paraffinic 64741-88-4		LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)
Carbon black 1333-86-4			EC50: >5600mg/L (24h, Daphnia magna)

**12.2. Persistence and degradability****Persistence / Degradability**

No information available.

**12.3. Bioaccumulative potential****Bioaccumulation**

There is no data for this product.

**12.4. Mobility in soil****Mobility in soil**

No information available.

**Mobility in Environmental Media**

No information available.

**12.5. Results of PBT and vPvB assessment****PBT and vPvB assessment**

No information available.

Chemical name	PBT and vPvB assessment
Iron oxide 1309-37-1	The substance is not PBT / vPvB PBT assessment does not apply
Diatomaceous silica, flux-calcined 68855-54-9	PBT assessment does not apply
Propylene glycol 57-55-6	The substance is not PBT / vPvB PBT assessment does not apply
Talc 14807-96-6	The substance is not PBT / vPvB
Aluminum oxide 1344-28-1	The substance is not PBT / vPvB PBT assessment does not apply
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB PBT assessment does not apply
Distillates, petroleum, solvent-refined heavy paraffinic 64741-88-4	The substance is not PBT / vPvB
Carbon black 1333-86-4	The substance is not PBT / vPvB PBT assessment does not apply

**12.6. Other adverse effects****Other adverse effects**

No information available

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## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

<b>Waste from Residues/Unused Products</b>	Dispose of in accordance with the European Directives on waste and hazardous waste.
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.
<b>EWC waste disposal No</b>	No information available
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

<b>IMDG</b>	Not regulated
<b>RID</b>	Not regulated
<b>ADR</b>	Not regulated
<b>ADN</b>	Not regulated
<b>IATA</b>	Not regulated

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Cristobalite 14464-46-1	RG 25
Iron oxide 1309-37-1	RG 44, RG 94
Propylene glycol 57-55-6	RG 84
Talc 14807-96-6	RG 25
Silica, crystalline 14808-60-7	RG 25
Carbon black 1333-86-4	RG 16, RG 16bis

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### International Inventories

<b>AICS</b>	No - Not all of the components are listed.
<b>DSL: Canada</b>	Yes - All components are listed or exempt.

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<b>EINECS: European Union</b>	No - Not all of the components are listed.
<b>ENCS</b>	No - Not all of the components are listed.
<b>IECSC</b>	No - Not all of the components are listed.
<b>KECL (Annex 1)</b>	No - Not all of the components are listed.
<b>PICCS</b>	No - Not all of the components are listed.
<b>TSCA: United States</b>	Yes - All components are listed or exempt.

**Legend**

**AICS** - Australian Inventory of Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**IECSC** - China Inventory of Existing Chemical Substances  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**Section 16: OTHER INFORMATION****Full text of H-Statements referred to under section 3**

H304 - May be fatal if swallowed and enters airways  
 H361 - Suspected of damaging fertility or the unborn child  
 H372 - Causes damage to organs through prolonged or repeated exposure

**Classification procedure:** Expert judgment and weight of evidence determination

**Key literature references and sources for data** Data from internal and external sources

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**Revision Summary** Change to Format

**Disclaimer**

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

**End of Safety Data Sheet**